

Case Study

Project/customer name:	Meadfoot beach chalets
Year of application:	2015
Location/country:	Torquay / UK
Building type:	Walkways
Authorized contractor:	Progressive Coatings Ltd.
Additional project details:	Overlay of concrete walkways on new built chalets

General view:



Challenge:

- For over 40 years, about 60 wooden beach chalets were located at Meadfoot Beach, which were now demolished and replaced with a new two-story complex consisting of 133 chalets.
- The structure of the walkway area of the chalet complex incorporated construction joints sealed using a structural concrete, between pre-cast concrete panels. This area required a waterproofing and surfacing overlay solution that would protect the underlying structure against water ingress and other contaminants.



Solution:

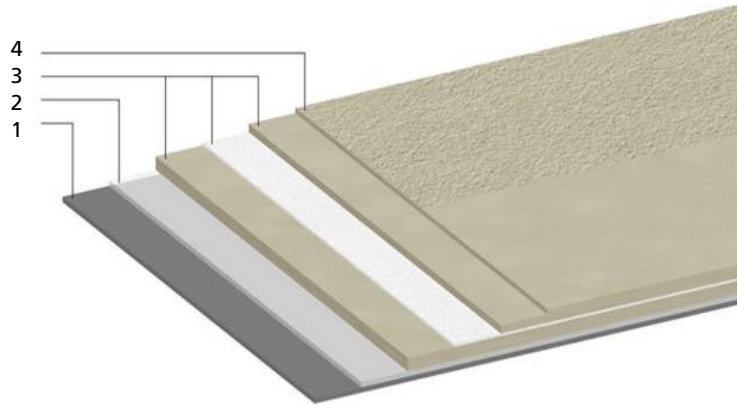
- Triflex ProTerra, a cold liquid applied waterproofing and surfacing system, was specified to overlay the walkways.
- Available in a wide range of finishes, the client decided that Triflex Quartz Design with small grain quartz was ideally suited to the unique requirements of the project as it would minimize risks of slips when wet.
- The client had a wide choice of finish colors to choose from and finally opted to finish the system in Pebble Grey. As the system is UV stable, this color will be sustained for the long term future of the site.



Products used at a glance:

Triflex offers liquid PMMA* based resins (e.g. ProDetail for details or ProTect for areas):

1. Substrate
2. Primer, if necessary
3. Waterproofing layers
 - a) Triflex ProDetail (2kg / sqm)
 - b) Triflex Special Fleece
 - c) Triflex ProDetail (1 kg / sqm)
4. Finish, if wanted



* Polymethyl methacrylate

Continually improved over 40 years in order to become the market leader in Europe.



Main benefits (European Guideline ETAG 005):

- 25 years estimated working life performance
- Fast curing time and rainproof after only 30 minutes
- Application possible till humidity of 99% and withstands surface temperature after application up to 90° C
- A liquid seamless solution that fits to any structure with complex geometry
- Adherence to any surfaces (Aluminum, steel, plastic, glass, bitumen, concrete, ...)
- Solvent free, environmental friendly and with no risk to health
- High resistance to chemicals, roots and rhizome, alkali and hydrolysis
- Cold application with no flame and flame retardant
- Highly UV resistant (1000 MJ/m² = 325 days)
- Easy to impose loads after application (for particular demands as green roofs)